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Site: Arco Petroleum
ID #: KSD980632194
Region: 7
Date: 3-13-87

APPENDIX B

Site Inspection Report

United States
Environmental Protection
Agency

Office of Emergency and
Remedial Response
Washington, DC 20460

EPA Form 2070-13
July, 1981
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EPA

Potential Hazardous Waste Site

Site Inspection Report

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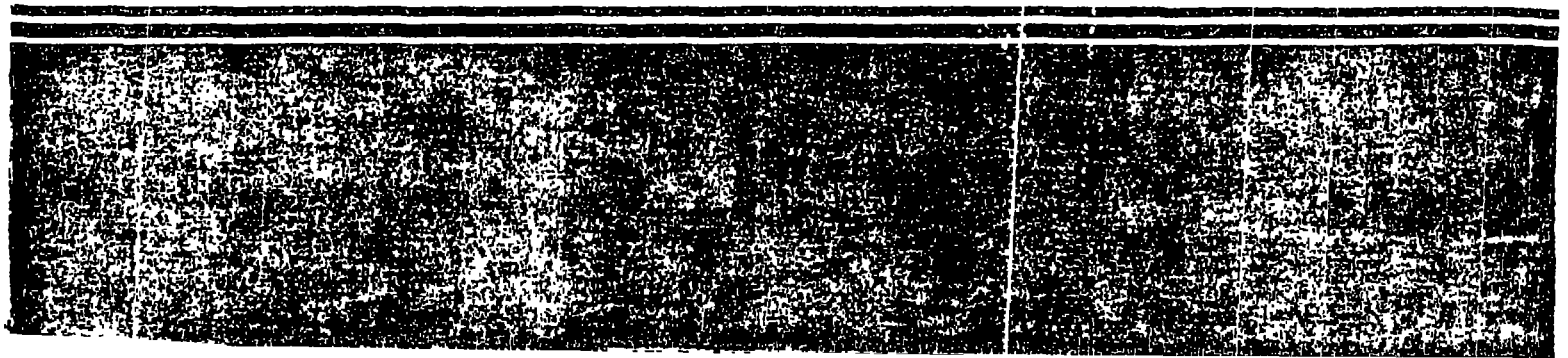

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

IDENTIFICATION	
01 STATE	02 SITE NUMBER

II SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Arco/Sinclair/Dymon	3400 Kansas Ave. NW 20-11S-25E				
03 CITY	**04 STATE**	**05 ZIP CODE**	**05 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Kansas City	KS	66106	Wyandotte		

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
		☒ A PRIVATE ☐ B FEDERAL _____ ☐ C STATE ☐ D COUNTY ☐ E MUNICIPAL ☐ F OTHER _____ ☐ G UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
10 15 86 (MONTH DAY YEAR)	* ☒ ACTIVE ☐ INACTIVE	refinery 1917 1949 terminal 1949 present (BEGINNING YEAR ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)

☒ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO
Rick Bean	Environmental Geologist	KDHE	913) 862-9360
09 OTHER INSPECTORS	**10 TITLE**	**11 ORGANIZATION**	**12 TELEPHONE NO**
Emily Roth	Project Specialist	KDHE	913) 862-9360
Dwight Brinkley	District Geologist		( )
Mike Parhomek	District Technician	KDHE	913) 842-4600
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
K.L. Grove	Terminal Supervisor	Sinclair Marketing 3400 Kansas Ave	913) 321-4300
C.G. Swenberg	Coordinator Env. Affairs	Arco Pipeline Los Angles, CA	714 491-6851
Steven Karvinsky	Local Arco Contact	Arco Pipeline Kansas City, KS	913) 397-2444
Ray Russell	Environmental Specialist	Sinclair Oil Co. Tulsa, OK	918) 584-5025
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT		sunny

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO
Rick Bean	BER/KDHE	913) 862-9360

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO	08 DATE
Rick Bean	KDHE	BER	913 862-9360	3 13 87 (MONTH DAY YEAR)

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*Active as a terminal and not as a refinery.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A SOLID
- [ ] B POWDER FINES
- [ ] C SLUDGE
- [ ] D OTHER (Specify)
- [ ] E SLURRY
- [X] F LIQUID
- [ ] G GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

TONS
CUBIC YARDS unknown
NO OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- [X] A TOXIC
- [ ] B CORROSIVE
- [ ] C RADIOACTIVE
- [X] D PERSISTENT
- [ ] E SOLUBLE
- [ ] F INFECTIOUS
- [ ] G FLAMMABLE
- [ ] H IGNITABLE
- [X] I HIGHLY VOLATILE
- [ ] J EXPLOSIVE
- [ ] K REACTIVE
- [ ] L INCOMPATIBLE
- [ ] M NOT APPLICABLE

III. WASTE TYPE Unknown

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
PSD	Chlordane	57-74-9	Sediment	9.2	ppm
PSD	Methoxychlor	72-43-5	Sludge/Surface Water	320.0	ppm
PSD	Lindane	58-89-9	Surface Water	0.32	ppm
PSD	2,4 D as Acid	94-75-7	Surface Water	4.7	ppm
PSD	Silvex as Acid		Surface Water	2.3	ppm
MES	Arsenic	7440-38-2	Ground Water	43.0	ppb
BAS	Naphthalene	91-20-3	Sludge/groundwater	295.0	ppb
BAS	Dimethyl Phthalate		groundwater	368.0	ppb
BAS	Fluorene		sludge	119.0	ppm
BAS	Diethyl Phthalate		surface water	132.0	ppb
	Phenanthrene/				
	Anthracene	85-01-8	sludge/surface water	654.0	ppm
BAS	Di-N-Butyl Phthalate	84-74-2	sludge/surface water	187.0	ppm
BAS	Bis(2-Ethylhexyl)	117-81-7			
	Phthalate		sludge/ground water	1095.0	ppb
BAS	2-Methyl-Naphthalene	91-57-6	sludge/ground/surface water	770.0	ppm

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

Chemical analysis sheets

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

☐ A SOLID ☐ E SLURRY
☐ B POWDER FINES ☐ F LIQUID
☐ C SLUDGE ☐ G GAS
☐ D OTHER _____ (Specify)

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS _____
NO OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

☐ A TOXIC ☐ E SOLUBLE ☐ I HIGHLY VOLATILE
☐ B CORROSIVE ☐ F INFECTIOUS ☐ J EXPLOSIVE
☐ C RADIOACTIVE ☐ G FLAMMABLE ☐ K REACTIVE
☐ D PERSISTENT ☐ H IGNITABLE ☐ L INCOMPATIBLE
☐ M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
BAS	Di-N-Octyl Phthalate		groundwater	32.2	ppb
ACD	2,4 Dimethylphenol		surface water	89.0	ppb
ACD	Phenol	108-95-2	sludge/surface water	90.6	ppb
ACD	2,4 Dichlorophenol		surface water	26.6	ppb
ACD	Ortho-Cresol	1391-77-3	sludge/surface water	185.0	ppb
ACD	Para-Cresol	1391-77-3	sludge/surface water	214.0	ppb
ACD	Benzyl Alcohol	100-51-6	surface water	205.0	ppb
SOL	Dichloromethane	75-09-2	sludge/surface water	6330000.0	ppb
SOL	1,1 Dichloroethylene		sludge/surface water	1150.0	ppb
SOL	1,1 Dichloroethane	75-34-3	sludge/surface water	733.0	ppb
SOL	Trans/Cis 1,2 DCE		sludge/surface water	193.0	ppb
SOL	Trichloromethane	67-66-3	surface water	78.2	ppb
SOL	1,2 Dichloroethane		surface water	732.0	ppb
SOL	1,1,1 Trichloroethane	127-18-4	sludge/surface water	110000.0	ppb
SOL	Trichloroethylene	79-01-6	sludge/surface water	1590.0	ppb
SOL	Benzene	71-43-2	sludge/groundwater	472.0	ppb

V FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A SOLID
- ☐ B POWDER FINES
- ☐ C SLUDGE
- ☐ D OTHER _____ (Specify)
- ☐ E SLURRY
- ☐ F LIQUID
- ☐ G GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS _____
NO OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A TOXIC
- ☐ B CORROSIVE
- ☐ C RADIOACTIVE
- ☐ D PERSISTENT
- ☐ E SOLUBLE
- ☐ F INFECTIOUS
- ☐ G FLAMMABLE
- ☐ H IGNITABLE
- ☐ I HIGHLY VOLATILE
- ☐ J EXPLOSIVE
- ☐ K REACTIVE
- ☐ L INCOMPATIBLE
- ☐ M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	Tetrachloroethylene		sludge/surface water	326000.	0 ppb
OCC	Toluene	108-88-3	sludge/ground/surface	101000	.0 ppb
OCC	Ethyl benzene	100-41-4	sludge/ground/surface	2050.0	ppb
OCC	M-Xylene	1300-71-6	sludge/ground/surface	5060.	0 ppb
OCC	O/P-Xylene	1300-71-6	sludge/ground/surface	4140.	0 ppb

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A GROUNDWATER CONTAMINATION
02 [X] OBSERVED (DATE 11/04/86) [ ] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED unknown
04 NARRATIVE DESCRIPTION

Observed on 11/04/86 when samples from three newly installed monitoring wells were installed. Petroluem products were detected Benzene 472.0 ppb, Toluene 429.0 ppb, Ethylbenzene 770.0 ppb, M-Xylene 1570.0 ppb, O/P Xylene 937.0 ppb. A clay layer at 5 feet allows for a preferential flow path

01 [X] B SURFACE WATER CONTAMINATION
02 [X] OBSERVED (DATE 11/05/86) [ ] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED unknown
04 NARRATIVE DESCRIPTION

Very high contaminants are bein discharged from old seperator (storm drainage collection) into drainage to Kansas River. Some of the contaminants are Methoxychlor 140 ppb, Dichloromethane 1070000.0 ppb, PCE 26300.0 ppb, 1,1,1 TCA 11750.0 ppb and 18 others. Groundwater contaminatio

01 [X] C CONTAMINATION OF AIR
02 [ ] OBSERVED (DATE _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED unknown
04 NARRATIVE DESCRIPTION

The potential for air contamination exists when the pump at the oil separator is turned on.

01 [ ] D FIRE EXPLOSIVE CONDITIONS
02 [ ] OBSERVED (DATE _____) [ ] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____
04 NARRATIVE DESCRIPTION

None observed

01 [ ] E DIRECT CONTACT
02 [ ] OBSERVED (DATE _____) [ ] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____
04 NARRATIVE DESCRIPTION

None observed

01 [ ] F CONTAMINATION OF SOIL
02 [X] OBSERVED (DATE 11/04/86) [ ] POTENTIAL [ ] ALLEGED
03 AREA POTENTIALLY AFFECTED 1 (Acres)
04 NARRATIVE DESCRIPTION

Approximately 1 acre of soil was definitaly contaminated (in landfarm are), other areas might exist on Graves property.

01 [ ] G DRINKING WATER CONTAMINATION
02 [ ] OBSERVED (DATE _____) [ ] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____
04 NARRATIVE DESCRIPTION

No public or private wells in three mile radius.

01 [ ] H WORKER EXPOSURE/INJURY
02 [ ] OBSERVED (DATE _____) [ ] POTENTIAL [ ] ALLEGED
03 WORKERS POTENTIALLY AFFECTED _____
04 NARRATIVE DESCRIPTION

None

01 [ ] I POPULATION EXPOSURE/INJURY
02 [ ] OBSERVED (DATE _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____
04 NARRATIVE DESCRIPTION

The potential exist for the population around the area to become exposed via the surface water drainage route.

II. Hazardous Conditions and Incidents

Groundwater contamination cont.

to occur where water sampled from this zone also had 1.8 ppb Dichloromethane.

Surfacewater contamination cont.

may also be influencing the Kansas River.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 [X] J. DAMAGE TO FLORA — 02 [X] OBSERVED (DATE 11/4/86) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Areas along surface drainage and vegitation in fill areas seemed to be minorly distressed.

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

Unknown damage to fauna although potential does exist.

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None

01 [X] M. UNSTABLE CONTAINMENT OF WASTES (Spills Runoff Standing liquids Leaking drums) — 02 [X] OBSERVED (DATE 11/15/86) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED unknown — 04 NARRATIVE DESCRIPTION

Landfarm area with no containment allows runoff to become in contact then escape the surface water route and migrate into the groundwater route. ~~Also discharge of contaiminants from oil separator to drainage.~~

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None apparent

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 [X] OBSERVED (DATE 11/4/86) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

The facility storm sewer handles contaminated waste water which is dischargedinto the Kansas River.

01 [X] P. ILLEGAL/UNAUTHORIZED DUMPING — 02 [X] OBSERVED (DATE 11/4/86) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

The disposal of hazardous sludge from the bottom of the oil seperator is occuring on site in a type of landfarming activity.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None known

III. TOTAL POPULATION POTENTIALLY AFFECTED unknown

IV. COMMENTS

The primary concern would be the effects of contaminated groundwater and highly contaminated waters being discharged into the Kansas River.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

KDHE Files
Field work
USGS SI

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)	7209	4/6/61	unknowr	Sewage permit for
☐ H. LOCAL (Specify)				discharge into Kansas
☐ I. OTHER (Specify)				River.
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS ABOVE GROUND		
☒ D. TANK ABOVE GROUND	N/A	
☒ E. TANK BELOW GROUND	N/A	
☐ F. LANDFILL		
☒ G. LANDFARM	* 177	CY
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)
- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER
- ☒ A. BUILDINGS ON SITE: 15

06 AREA OF SITE
130 (Acres)

07 COMMENTS
Twenty eight on site tanks for petroleum product storage.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)
☐ A. ADEQUATE SECURE ☐ B. MODERATE ☐ C. INADEQUATE POOR ☒ D. INSECURE UNSOUND DANGEROUS

02 DESCRIPTION OF DRUMS DIKING LINERS BARRIERS ETC
The pumpage of waste water to a drainage ditch that runs offsite and discharges into the Kansas River. No containment around a landfarmed area.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE ☐ YES ☒ NO
02 COMMENTS
The site is surrounded by a steel fence and locking gate.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

USGS site inspection
*Estimated from field inspection

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)	SURFACE	WELL	02 STATUS ENDANGERED	AFFECTED	MONITORED	03 DISTANCE TO SITE
COMMUNITY	A ☒	B ☒	A ☐	B ☐	C ☐	A 4.0 (mi)
NON-COMMUNITY	C ☐	D ☐	D ☐	E ☐	F ☐	B ____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A ONLY SOURCE FOR DRINKING ☐ B DRINKING (Other sources available) COMMERCIAL INDUSTRIAL, IRRIGATION (No other water sources available) ☒ C COMMERCIAL INDUSTRIAL IRRIGATION (Limited other sources available) ☐ D NOT USED UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 0

03 DISTANCE TO NEAREST DRINKING WATER WELL N/A (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD (IF AQUIFER)	08 SOLE SOURCE AQUIFER
20-30 (ft)	NE	20-30 (ft)	1 x 10^6 (gpd)	☐ YES ☒ NO

09 DESCRIPTION OF WELLS (Including useage depth and location relative to population and buildings)

There is at least 135 wells within the three mile radius, these include industrial, cooling and monitoring. No domesitc wells exist in the three mile area. Johnson Co. Rural Water Supply wells are located in T11S R24E Sect. 21,22,28,29,30,31,32, four miles away.

10 RECHARGE AREA	COMMENTS	11 DISCHARGE AREA	COMMENTS
☒ YES ☐ NO	Kansas River Valley Alluvium. Groundwater moves NE toward river.	☒ YES ☐ NO	Along NE corner of property the Kansas River is located.

IV SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A RESERVOIR RECREATION DRINKING WATER SOURCE ☐ B IRRIGATION ECONOMICALLY IMPORTANT RESOURCES ☒ C COMMERCIAL INDUSTRIAL ☐ D NOT CURRENTLY USED

02 AFFECTED POTENTIALLY AFFECTED BODIES OF WATER

NAME	AFFECTED	DISTANCE TO SITE
Kansas River	☐	.25 (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

* ONE (1) MILE OF SITE	* TWO (2) MILES OF SITE	* THREE (3) MILES OF SITE
A 3000 NO OF PERSONS	B 10,000 NO OF PERSONS	C 20,000 NO OF PERSONS

02 DISTANCE TO NEAREST POPULATION

* .12 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF SITE BUILDING
* 2,000	.1 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site e.g. rural village density populated urban area)

The area around the site is primarily industrial, however, several residential areas do exist about 1/8 mile south of the site.

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USGS Bulletin
Drilling logs
Area Base Map
*USGS Site Inspection 1984

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

VI ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A 10^{-6} – 10^{-8} cm/sec ☐ B 10^{-4} – 10^{-6} cm/sec ☒ C 10^{-4} – 10^{-3} cm/sec ☐ D GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A IMPERMEABLE (Less than 10^{-6} cm sec) ☒ B RELATIVELY IMPERMEABLE (10^{-4} – 10^{-6} cm sec) ☐ C RELATIVELY PERMEABLE (10^{-2} – 10^{-4} cm sec) ☐ D VERY PERMEABLE (Greater than 10^{-2} cm sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
*70-80 (ft)	unknown (ft)	N/A	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
36.32 (in)	3 (in)	.1 %	* East	* .1 %

09 FLOOD POTENTIAL

SITE IS IN 500 YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A N/A (mi)	B None (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

¼ – 3 (mi)

ENDANGERED SPECIES Bald Eagle, Eskimo Curlew, Least Tern, Perigrine Falcon

13 LAND USE IN VICINITY

DISTANCE TO

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL STATE PARKS FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS PRIME AG LAND	AGRICULTURAL LANDS AG LAND
A .1 (mi)	B .1 (mi)	C (mi)	D 1 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site sits upon the flood plain of the Kansas River, approximately 1000 feet from the south bank of the river. The site is located within a heavily industrialized area; junkyards and salvage yards align the site to the east; across the river to the north is the Procter and Gamble plant; to the west is the Fairbank Morse Company and to the south is the Santa Fe Railroad tracks and a residential area.

VII. SOURCES OF INFORMATION (Cite specific references e.g. state files, sample analysis, reports)

Taken from Area Base Map
*Drilling logs
National Weather Service
USGS Site inspection
HRS manual
Area base map
Telephone conversation with KS Fish & Game

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	5	5 Inorg, 8 VOC, 3 Pest, 4 HM, 4 Acid 3 Base	present
SURFACE WATER	4	3 VOC, 4 Pest, 5 Base, 1 Acid	present
WASTE	1	1 VOC, 1 Pest, 1 Base, 1 Acid	present
AIR			
RUNOFF			
SPILL			
SOIL	7	7 VOC, 1 Pest, 3 HM, 5 Base, 5 Acid	present
VEGETATION			
OTHER sediment	1	1 Pest, 1 Base, 1 Acid	present

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
Geophysical	604 apparent terrian conductivity readings were taken with a Geonics EM-34L.
PH	Field pH readings were taken on samples 6.45-6.6
Conductivity	Field conductivity was taken on samples 697 ppm-1021 ppm.
Air Monitoring	Air monitoring was done with a HNU photoionization unit, during drilling of wells. 0-30 ppm

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☒ AERIAL | 02 IN CUSTODY OF KDHE/BER (Name of organization or individual)

03 MAPS ☒ YES ☐ NO | 04 LOCATION OF MAPS BER/KDHE

V OTHER FIELD DATA COLLECTED (Provide narrative description)

Data from the geophysical survey showed areas of low resistivity and area of high resistivity. These have been identified on a map available from KDHE/BER. Borings at the site were also undertaken to try to determine the local extect of a defined clay sequence.

VI SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis reports)

Lab sheets and Summary
Site abstract

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	08 NAME (PARENT COMPANY, if applicable)	09 D+B NUMBER
Arco Petroleum Co.			
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P O Box, RFD #, etc.)	11 SIC CODE
515 S. Flower St			
05 CITY / 06 STATE / 07 ZIP CODE		12 CITY / 13 STATE / 14 ZIP CODE	
Los Angeles, CA 90051			
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Sinclair Marketing Inc.			
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P O Box, RFD #, etc.)	11 SIC CODE
PO Box 30825			
05 CITY / 06 STATE / 07 ZIP CODE		12 CITY / 13 STATE / 14 ZIP CODE	
Salt Lake City, UT 84130			
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
James Graves			
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P O Box, RFD #, etc.)	11 SIC CODE
PO Box 380			
05 CITY / 06 STATE / 07 ZIP CODE		12 CITY / 13 STATE / 14 ZIP CODE	
Salina, KS 67401			
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Dymon Inc.			
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P O Box, RFD #, etc.)	11 SIC CODE
3401 Kansas Ave.			
05 CITY / 06 STATE / 07 ZIP CODE		12 CITY / 13 STATE / 14 ZIP CODE	
Kansas City, KS 66106			

III. PREVIOUS OWNER(S) (List most recent first) / IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Sinclair Refining Co.			
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE
906 Grand Ave			
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	
Kansas City, MO			
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	

V. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

KDHE files
Interview with persons from Arco and Sinclair

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
Operators are owners	

03 STREET ADDRESS (P O Box RFD # etc)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

06 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P O Box RFD # etc)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first Provide only if different from owner)

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P O Box RFD # etc)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P O Box RFD # etc)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P O Box RFD # etc)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P O Box RFD # etc)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P O Box RFD # etc)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P O Box RFD # etc)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references e g state files sample analysis reports)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
N/A		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE / 07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. PAST RESPONSE ACTIVITIES

01 ☐ A WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ B TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ C PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ D SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
unknown

01 ☐ E CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
unknown

01 ☐ F WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ G WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ H ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION An area near an old oil separator is being used for a type of landfarming activity. The material used is sediment from the oil separator.

01 ☐ I IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ J IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ K IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ L ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ M EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ N CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ O EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ P CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ Q SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ S CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ T BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ U GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ V BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ W GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ X FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ Y LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ Z AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ 1 ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ 2 POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

01 ☐ 3 OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
No

III. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis reports.)

KDHE files

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL STATE LOCAL REGULATORY ENFORCEMENT ACTION

None

III SOURCES OF INFORMATION (Cite specific references e g state files sample analysis reports)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

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General Information

The Potential Hazardous Waste Site, Site Inspection Report form is used to record information collected during, or associated with, an inspection of the site and other information about responsible parties and past response activities

The Site Inspection Report form contains eleven parts.

Part 1 – Site Location and Inspection Information

Part 2 – Waste Information

Part 3 – Description of Hazardous Conditions and Incidents

Part 4 – Permit and Descriptive Information

Part 5 – Water, Demographic, and Environmental Data

Part 6 – Sample and Field Information

Part 7 – Owner Information

Part 8 – Operator Information

Part 9 – Generator/Transporter Information

Part 10 – Past Response Activities

Part 11 – Enforcement Information

Part 1 – Site Location and Inspection Information contains all of the data elements also contained on the Site Identification and Preliminary Assessment forms required to add a site to the automated Site Tracking System (STS). It is therefore possible to add a site to STS at the Site Inspection stage Instructions are given below.

Part 2 – Waste Information and Part 3 – Description of Hazardous Conditions and Incidents are used to record specific information about substances, amounts, hazards, and targets, e.g., population potentially affected Parts 2 and 3 are also contained in the Potential Hazardous Waste Site, Preliminary Assessment form. Information recorded on Part 2 and Part 3 during a preliminary assessment may be updated, added, deleted, or corrected on the Site Inspection Report form.

An Appendix with feedstock names and CAS Numbers and the most frequently cited hazardous substances and CAS Numbers is located behind the instructions for the Site Inspection Report.

A number of the data items collected throughout the Site Inspection Report support the Site Ranking Model The majority of these data items are found in Part 5 – Water, Demographic, and Environmental Data

General Instructions

1. Complete the Site Inspection Report form as completely as possible

2 Starred items (*) are required before inspection information can be added to STS The system will not accept incomplete inspection information.

3. To add a site to STS at the Site Inspection stage, write "New" across the top of the form and complete items II-01, 02, 03, 04, and 06, Site Name and Location, II-09 Coordinates, and II-10, Type of Ownership.

4 Data items carried in STS, which are identical to those on the Site Identification and Preliminary Assessment forms and which can be added, deleted, or changed using the Site Inspection Report form, are indicated with a pound sign (#). To ensure that the proper action is taken, outline the item(s) to be added, deleted, or changed with a bright color and indicate the proper action with "A" (add), "D" (delete) or "C" (change).

5. There are two options available for adding, deleting, or changing information supplied on the Site Inspection Report form. The first is to use a new Site Inspection Report form, completing only those items to be added, deleted or changed Mark the form clearly, using "A", "D", or "C", to indicate the action to be taken. If only data in STS are to be altered, the Site Source Data Report may be used Using the report, mark clearly the items to be changed and the action to be taken

Detailed Instructions

Part 1 Site Location and Inspection Information

I. Identification Identification (State and Site Number) is the site record key, or primary identifier, for the site. Site records in the STS are updated based on Identification It is essential that State and Site Number are correctly entered on each form.

*I-01 State Enter the two character alpha FIPS code for the state in which the site is located It must be identical to State on the Site Identification form

*I-02 Site Number Enter the ten character alphanumeric code for sites which have a Dun and Bradstreet or EPA "user" Dun and Bradstreet number or the ten character numeric GSA identification code for federal sites The Site Number must be identical to the Site Number on the Site Identification and Preliminary Assessment forms

II. Site Name and Location If Site Name and Location information require no additions or changes, these items are not required on the Site Inspection Report form However, completing these items will facilitate use of the completed form and records management procedures

#II-01 Site Name Enter the legal, common, or descriptive name of the site

#II-02 Site Street Enter the street address and number (if appropriate) where the site is located If the precise street address is unavailable for this site, enter brief direction identifier, e.g., NW Jc I-295 & US 99 Post Rd, 5 mi W of Rt 5.

#II-03 Site City Enter the city, town, village, or other municipality in which the site is located If the site is not located in a municipality, enter the name of the municipality (or place) which is nearest the site or which most easily locates the site

#II-04 Site State Enter the two character alpha FIPS code for the state in which the site is located The code must be the same as in item I-01

#II-05 Site Zip Code: Enter the five character numeric zip code for the postal zone in which the site is located

#II-06 Site County· Enter the name of the county, parish (Louisiana), or borough (Alaska) in which the site is located.

#II-07 County Code Enter the three character numeric FIPS county code for the county, parish, or borough in which the site is located. (The regional data analyst can furnish this data item.)

#II-08 Site Congressional District· Enter the two character number for the congressional district in which the site is located.

*#II-09 Coordinates Enter the Coordinates, Latitude and Longitude, of the site in degrees, minutes, seconds, and tenths of seconds. If a tenth of a second is insignificant at this site, enter "0" in the tenths position.

#II-10 Type of Ownership: Check the appropriate box to indicate the type of site ownership. If the site is under the jurisdiction of an activity of the federal government, enter the name of the department, agency, or activity If Other is indicated, specify the type of ownership and name.

III. Inspection Information

*III-01 Date of Inspection Enter the date the inspection occurred, or began for multiple day inspections.

*III-02 Site Status. Check the appropriate box(es) to indicate the current status of the site. Active sites are those which treat, store, or dispose of wastes Check Active for those active sites with an inactive storage or disposal area Inactive sites are those at which treatment, storage, or disposal activities no longer occur

#III-03 Years of Operation: Enter the beginning and ending years (or beginning only if operations at the site are on-going), e g., 1878/1932, of site operation Check Unknown if years of operation are not known

*III-04 Agency Performing Inspection. Check the appropriate box(es) to indicate parties participating in the inspection. If contractors participate, provide the name of the firm(s)

III-05 Chief Inspector: Enter the name of the chief, or lead inspector.

III-06 Title: Enter the Chief Inspector's title, e.g., Team Leader, FIT team.

III-07 Organization· Enter the name of the organization where the Chief Inspector is employed, e.g , EPA – Region 4, VA State Health Dept , Environmental Research Co.

III-08 Telephone Number. Enter the Chief Inspector's area code and local commercial telephone number.

III-09 Other Inspectors. Enter the names of other parties participating in the inspection.

III-10 Title· Enter the titles of other parties participating in the inspection

III-11 Organization· Enter the names of the organizations where other parties participating in the inspection are employed.

III-12 Telephone Number· Enter the area code and local commercial telephone numbers of other parties participating in the inspection.

III-13 Site Representatives Interviewed: Enter the names of individuals representing responsible parties interviewed in connection with the inspection Interviews do not necessarily occur during the inspection.

III-14 Title: Enter the titles of the individuals interviewed.

III-15 Address· Enter the business, mailing, or residential addresses of the individuals interviewed

III-16 Telephone Number Enter the area code and local commercial telephone numbers of the individuals interviewed.

III-17 Access Gained By. Check the appropriate box to indicate whether access to the site was gained through permission or warrant

III-18 Time o Inspection Using a 24-hour clock, enter the time the inspection began, e g , for 3 24 p m enter 1524.

III-19 Weather Conditions. Describe the weather conditions during the site inspection, especially any unusual conditions which might affect results or observations taken.

IV. Information Available From

IV-01 Contact Enter the name of the individual who can provide information about the site

IV-02 Of. If appropriate, enter the name of the public or private agency, firm, or company and the organization within the agency, firm, or company of the individual named as Contact

IV-03 Telephone Number. Enter the area code and local telephone number of the individual named as contact

IV-04 Person Responsible for Site Inspection Report Form. Enter the name of the individual who was responsible for the information entered on the Site Inspection Report form. The person responsible for the Site Inspection Report form may be different from the individual who prepared the form

IV-05 Agency Enter the name of the Agency where the individual who is responsible for the Site Inspection Report form is employed

IV-06 Organization Enter the name of the organization within the Agency

IV-07 Telephone Number Enter the area code and local telephone number of the individual who is responsible for the Site Inspection Report form.

IV-08 Date: Enter the date the Site Inspection Report form was prepared.

Part 2 Waste Information

*I. **Identification**: Refer to Part 1–I

II. **Waste States, Quantities, and Characteristics** Waste States, Quantities, and Characteristics provide information about the physical structure and form of the waste, measures of gross amounts at the site, and the hazards posed by the waste, considering acute and chronic health effects and mobility along a pathway.

*II-01 Physical States Check the appropriate box(es) to indicate the state(s) of waste present at the site. If Other is indicated, specify the physical state of the waste

*II-02 Waste Quantity at Site: Enter estimates of amounts of waste at the site. Estimates may be in weight (Tons) or volume (Cubic Yards or Number of Drums). Use as many entries as are appropriate, however, measurements must be independent. For example, do not measure the same amounts of waste as both tons and cubic yards.

*II-03 Waste Characteristics: Check all appropriate entries to indicate the hazards posed by waste at the site If waste at the site poses no hazard, check Not Applicable.

III. **Waste Category**: General categories of waste typically found are listed here Enter the estimated gross amount of each category of waste and the appropriate unit of measure.

*III-01 Gross Amount: Gross Amount is the estimate of the amount of the waste category found at the site. Estimates should be furnished in metric tons (MT), tons (TN), cubic meters (CM), cubic yards (CY), drums (DR), acres (AC), acre feet (AF), liters (LT), or gallons (GA). Enter the estimated amount next to the appropriate waste category.

*III-02 Unit of Measure. Enter the appropriate unit of measure, MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (number of drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons) next to the estimate of gross amount

III 03 Comments: Comments may be used to further explain, or provide additional information, about particular waste categories.

IV. **Hazardous Substances**: Specific hazardous, or potentially hazardous, chemicals, mixtures, and substances found at the site are listed here For each substance listed those data items marked with an "at" sign (@) must be included.

@IV 01 Category. Enter in front of the substance name the three character waste category from Section III which best describes the substance, e.g., OLW (Oily Waste).

@IV 02 Substance Name: Enter one of the following: the name of the substance registered with the Chemical Abstract Service, the common or accepted abbreviation of the substance, the generic name of the substance, or commercial name of the substance

@IV-03 CAS Number: Enter the number assigned to the substance when it was registered with the Chemical Abstract Service. Refer to the Appendix for most frequently cited CAS Numbers. CAS Numbers must be furnished for each substance listed. If a CAS Number for this substance has not been assigned, enter "999".

@IV-04 Storage/Disposal Method: Enter the type of storage or disposal facility in which the substance was found: SI (surface impoundment, including pits, ponds, and lagoons), PL (pile), DR (drum), TK (tank), LF (landfill), LM (landfarm), OD (open dump).

IV-05 Concentration Enter the concentration of the substance found in samples taken at the site

IV-06 Measure of Concentration: Enter the appropriate unit of measure for the measured concentration of the substance found in the sample, e g, MG/L, UG/L.

V. **Feedstocks**

V-01 Feedstock Name. If feedstocks, or substances derived from one or more feedstocks, are present at the site, enter the name of each feedstock found See the Appendix for the feedstock list

V-02 CAS Number Enter the CAS Number for each feedstock named. See the Appendix for feedstock CAS Numbers.

VI. **Sources of Information**: List the sources used to obtain information for this form Sources cited may include. sample analysis, reports, inspections, official records, or other documentation Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 3 Description of Hazardous Conditions and Incidents

*I. **Identification**. Refer to Part 1–I

II. ***Hazardous Conditions and Incidents***.

II-01 Hazards: Indicate each hazardous, or potentially hazardous, condition known, or claimed, to exist at the site.

II-02 Observed, Potential, or Alleged Check Observed and enter the date, or approximate date, of occurrence if a release of contaminants to the environment, or some other hazardous incident is known to have occurred. In cases of a continuing release, e.g, groundwater contamination, enter the date, or approximate date, the condition first became apparent. If conditions exist for a potential release, check potential Check Alleged for hazardous, or potentially hazardous, conditions claimed to exist at the site.

II-03 Population Potentially Affected For each hazardous condition at the site, enter the number of people potentially affected For Soil enter the number of acres potentially affected

II-04 Narrative Description. Provide a narrative description, or explanation, of each condition Include any additional information which further explains the condition.

II-05 Description of Any Other Known, Potential, or Alleged Hazards: Provide a narrative description of any other hazardous, or potentially hazardous, conditions at the site not covered above.

III. **Total Population Potentially Affected** Enter the total number of people potentially affected by the existence of hazardous, or potentially hazardous, conditions at the site Do not sum the numbers shown for each condition.

IV. **Comments**: Other information relevant to observed, potential, or alleged hazards may be entered here

V. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include. sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 4 Permit and Descriptive Information

*I. **Identification** Refer to Part 1–I

II. **Permit Information**

II-01 Type of Permit Issued Check the appropriate box(es) to indicate the types of permits issued to the site If state, local, or other types of environmental permits have been issued, specify the type

II-02 Permit Number Enter the permit number for each issued permit

II-03 Date Issued. Enter the date each permit was issued.

II-04 Expiration Date Enter the date each permit expires or expired.

II-05 Comments Enter any information which further explains the types of permits issued or status of the permits

III. **Site Description**

*III 01 Storage/Disposal· Check the appropriate box(es) to indicate the types of storage/disposal facilities found at the site If Other is checked, specify the type of facility.

*III-02 Amount. Enter the gross amount of waste associated with each type of storage/disposal facility. Amounts may be measured in metric tons, tons, cubic meters, cubic yards, drums, acres, acre feet, liters, or gallons

*III-03 Unit of Measure. Enter the appropriate unit of measure for each entry Units of measure are MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons).

*III-04 Treatment If waste is treated at the site, check the appropriated box(es) to indicate treatment methods used If Other is checked, specify treatment method

III-05 Other If there are buildings on site, check this box

*III 06 Area of Site Enter total area of site in acres

III-07 Comments Enter any other pertinent information

IV. **Containment** Containment is a measure of the natural or artificial means taken to minimize or preclude health hazards and to minimize or prevent contamination of the environment from waste at the site.

*IV-01 Containment of Wastes. Check the appropriate box to indicate the condition of containment measures at the site. When choosing the appropriate box, consider the potential for environmental contamination, i.e., the worst case for containment in conjunction with the most hazardous substances

IV-02 Description of Drums, Diking, Liners, Barriers· Provide a narrative description of the condition of containment measures at the site, e g , waste adequately contained, drums rusting and leaking, diking collapsing, liners leaking and contaminants leaching into soil and groundwater

V. **Accessibility** Accessibility is an indicator of the potential for direct contact with hazardous substances.

*V-01 Waste Easily Accessible. If there are no real barriers preventing human access to hazardous waste, check Yes, otherwise check No

V-02 Comments· Additional information about accessibility to hazardous waste may be provided

VI. **Sources of Information** List the sources used to obtain information for this form Sources cited may include· sample analysis, reports inspections, official records, or other documentation Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site

Part 5 Water, Demographic, and Environmental Data

*I. **Identification**· Refer to Part 1–I.

II. **Drinking Water Supply**

II-01 Type of Drinking Water Supply Check the appropriate box(es) to indicate the types and sources of drinking water within the vicinity of the site Community refers to municipal sources Non-community refers to private sources, e g , private wells

II-02 Status. Check the appropriate box(es) to indicate whether the water supply is endangered or affected by contaminants from the site Check the appropriate box to indicate if the water supply is being monitored for possible contamination

II-03 Distance to Site Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to nearest drinking water source.

III. **Groundwater**

III-01 Groundwater Use in Vicinity Check the appropriate box to indicate groundwater use in the vicinity of the site The concern is to indicate the seriousness of groundwater contamination from waste at the site Only Source for Drinking indicates that current water sources are limited to wells in the vicinity of the site Drinking, Commercial, Industrial, Irrigation indicates that groundwater is used for drinking, but that other limited drinking sources are available and that no other sources for these additional uses are available Commercial, Industrial, Irrigation indicates that groundwater is used for these purposes, but that limited other sources of water are available Not used, Unuseable indicates that groundwater use in the area is not critical

III-02 Population Served by Groundwater Enter the number of people served by groundwater in the vicinity of the site. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads When estimating population from aerial photographs or other sources, the conversion factor is 3 8 persons for each dwelling unit or 3 persons per acre in rural areas

III-03 Distance to Nearest Drinking Water Well: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest drinking water well.

III-04 Depth to Groundwater: Enter the depth in feet to groundwater.

III-05 Depth of Groundwater Flow. Enter the cardinal direction of groundwater flow, e.g., NNW.

III-06 Depth to Aquifer of Concern Enter the depth in feet to the aquifer of concern.

III-07 Potential Yield of Aquifer: Enter the potential yield of the aquifer in gallons per day.

III-08 Sole Source Aquifer: Check the appropriate box to indicate the aquifer of concern is, or is not, a sole source aquifer.

III-09 Description of Wells. Provide a narrative description of wells in the vicinity of the site, including useage, depth, and location relative to population and buildings

III-10 Recharge Area: Check the appropriate box to indicate the site is located in a recharge area Comments provide additional information on the recharge area.

III-11 Discharge Area: Check the appropriate box to indicate the site is located in a discharge area. Comments provide additional information on the discharge area

IV. Surface Water

IV-01 Surface Water Use: Check the appropriate box to indicate surface water use in the vicinity of the site. The order of precedence is Reservoir, Recreation, Drinking Water Source, Irrigation, Economically Important Reserves, Commercial/Industrial, Not Currently Used.

IV-02 Affected/Potentially Affected Bodies of Water: Enter the names of bodies of surface water affected, or potentially affected, by contaminants from the site. List the body of surface water nearest the site first. For each body of water check Affected if contaminants have been identified in samples of the water. Enter the shortest distance from the body of water to the site in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required).

V. Demographic and Property Information

V-01 Total Population Within: Enter the total population within one (1) mile, two (2) miles, and three (3) miles of the site. Distances are measured from site boundaries. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads. When estimating population from aerial photographs or other sources, the conversion factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.

V-02 Distance to Nearest Population: Enter in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) the distance from the site boundary to the nearest population (one person minimum)

V-03 Number of Buildings Within Two (2) Miles of Site Enter the number of buildings within two miles from the boundaries of the site

V-04 Distance to Nearest Off-Site Building Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site boundary to the nearest off-site building.

V-05 Population in Vicinity of Site. Provide a narrative description of the nature of the population within the vicinity of the site. Examples include rural area, small truck farms, urban industrial area, densely populated urban residential area

VI. Environmental Information

VI-01 Permeability of Unsaturated Zone Check the appropriate box to indicate the permeability of the earth material above the water table in the vicinity of the site.

VI-02 Permeability of Bedrock Check the appropriate box to indicate the permeability of the bedrock in the vicinity of the site.

VI-03 Depth to Bedrock Enter the depth to bedrock in feet.

VI-04 Depth of Contaminated Soil Zone Enter the depth of the contaminated soil zone in feet

VI-05 Soil pH Enter the pH of the soil in the vicinity of the site.

VI-06 Net Precipitation Enter net precipitation in inches If net precipitation is not known, subtract the average evaporation figure on the U S National Weather Service map showing average annual evaporation in inches from the U.S. Environmental Data Service map showing mean annual precipitation

VI-07 One Year 24 Hour Rainfall. Enter in inches the figure for one year 24 hour rainfall

VI-08 Slope: Enter the percentage of site slope, the direction of site slope, and the percentage of the surrounding terrain average slope.

VI-09 Flood Potential: Enter the boundary year for the floodplain in which the site is located Sites flooded annually are in a 1 (one) year floodplain Other examples include 10, 20, 50, 100, 500, etc , indicating the probability of flooding within that time period.

VI-10 Site is on Barrier Island, Coastal High Hazard Area, Riverine Floodway: If site is located in one of these areas, check this box.

VI-11 Distance to Wetlands: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the closest wetlands (five acre minimum) for Estuarine and Other types of wetlands.

VI-12 Distance to Critical Habitat: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest critical habitat

of an endangered species. Enter the name(s) of the endangered species

VI-13 Land Use in Vicinity: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) to the nearest Commercial/Industrial area, Residential Area, National/State Parks, Forests, or Wildlife Reserves; or Agricultural Lands, Prime Ag Land and Ag Land Prime Ag Land is that crop, pasture, range, or forest land which produces the highest yield in relation to inputs. Ag Land is the remaining agricultural land, frequently considered marginal.

VI-14 Description of Site in Relation to Surrounding Topography: Provide a narrative description of significant or unusual aspects of the surrounding topography in relation to the site. Examples might include site is in a valley surrounded on all sides by mountains, site is at edge of a river or stream which floods frequently, etc.

VII. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include sample analysis, reports, inspections, official records, or other documentation Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site

Part 6 Sample and Field Information

*I. **Identification**: Refer to Part 1–I

II. **Samples Taken**

II-01 Number of Samples Taken: Next to each sample type enter the number of samples of that type taken

II-02 Samples Sent To: Enter the name of the laboratory or other facility where the samples were sent for analysis

II-03 Estimated Date Results Available: Enter the estimated date the results are expected to be available

III. **Field Measurements Taken**

III-01 Type. Enter the type, e.g., radioactivity, explosivity, organic vapor or gas detection and analysis, reagent type gas detection, of each field measurement taken.

III-02 Comments: Describe results of field measurements, whether they were taken on or off site, and if applicable, the type of disposal facility tested, e.g., drum, surface impoundment, landfill.

IV. **Photographs and Maps**

IV-01 Type: If photographs of the site have been taken, check the appropriate box(es) to indicate the type

IV-02 In Custody Of: Enter the name of the organization or person who has custody of the photographs

IV-03 Maps. Check the appropriate box to indicate that maps of the site area have been prepared or obtained.

IV-04 Location of Maps: If site maps are available, indicate their location, e.g., Region 1 Air and Hazardous Materials Division.

V. ***Other Field Data Collected***: *Provide a narrative description of any other field data collected*

VI. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include, sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site

Part 7 Owner Information

*I. **Identification**: Refer to Part 1–I

II. **Current Owner(s) — Parent Company**: Current owner(s) and parent companies, for those owners which are companies partly or wholly owned by another company, provide locator information about responsible parties. Each Part 7 provides space for four (4) current owners and their respective parent companies. If additional space is required, complete another Part 7

II-01 Name: Enter the legal name of the owner of the site. The owner may be a firm, government agency, association, individual, etc

II-02 D&B Number: Where available, enter the owner's D&B (Dun and Bradstreet) number. If the current owner is a federal agency, enter the GSA identification code

II-03 Street Address: Enter the business, mailing, or residential street address of the owner

II-04 SIC Code: If applicable, enter the owner's primary SIC Code

II-05 City: Enter the city of the owner's business, mailing, or residential address.

II-06 State: Enter the two character alpha FIPS code for the state of the owner's business, mailing, or residential address.

II-07 Zip Code: Enter the five digit zip code for the owner's business, mailing, or residential address

II-08 Name: If the owner is a partly or wholly owned subsidiary of another company, enter the legal name of the owner's parent company

II-09 D&B Number: Enter the parent company's Dun and Bradstreet number

II-10 Street Address: Enter the business or mailing street address of the parent company

II-11 SIC Code: If applicable, enter the parent company's primary SIC code

II-12 City: Enter the city of the parent company's business or mailing address

II-13 State. Enter the two character alpha FIPS code for the state of the parent company's business or mailing address

II-14 Zip Code. Enter the five digit zip code for the parent company's business or mailing address

III. **Previous Owner(s)**: List previous owners in reverse chronological order, i.e., most recent first. If additional space is required, complete another Part 7

III-01 Name: Enter the legal name of the previous owner. The previous owner may have been a firm, government agency, association, individual, etc

III-02 D&B Number Enter the previous owner's Dun and Bradstreet number if available. If the previous owner was a federal agency, enter the GSA identification code if available.

III-03 Street Address. Enter the business, mailing, or residential street address of the previous owner.

III-04 SIC Code If applicable, enter the primary SIC Code of the previous owner

III-05 City: Enter the city of the previous owner's business, mailing, or residential address.

III-06 State Enter the two character alpha FIPS code for the state of the previous owner's business, mailing, or residential address

III-07 Zip Code. Enter the zip code of the previous owner's business, mailing, or residential address

IV. **Realty Owner(s)**: Realty owner applies when the owner leased to another entity property which was used for the storage or disposal of hazardous waste *List current or most recent first*

IV-01 Name: Enter the legal name of the realty owner The realty owner may be a firm, government agency, association, individual, etc.

IV-02 D&B Number Enter the previous owner's Dun and Bradstreet number if available If the previous owner was a federal agency, enter the GSA identification code if available.

IV-03 Street Address. Enter the realty owner's business, mailing, or residential street address.

IV-04 SIC Code If applicable, enter the realty owner's primary SIC Code

IV-05 City Enter the city of the realty owner's business, mailing, or residential address

IV 06 State Enter the two character alpha FIPS code for the state of the realty owner's business, mailing, or residential address

IV-07 Zip Code Enter the zip code of the realty owner's business, mailing, or residential address.

V. **Sources of Information** List the sources used to obtain information for this form. Sources cited may include sample analysis, reports, inspections, official records, or other documentation Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site

Part 8 Operator Information

*I. **Identification** Refer to Part 1—I.

II. **Current Operator—Operator's Parent Company** Information on operators is applicable when the operator is not the owner.

II-01 Name: Enter the legal name of the operator The operator may be a firm, government agency, association, individual, etc.

II-02 D&B Number: Enter the operator's Dun and Bradstreet number if available. If the operator is a federal agency, enter the GSA identification code if available.

II-03 Street Address Enter the operator's business, mailing, or residential street address.

II-04 SIC Code: If applicable, enter the operator's primary SIC Code.

II-05 City: Enter the city of the operator's business, mailing, or residential address

II-06 State: Enter the two character alpha FIPS code for the state of the operator's business, mailing, or residential address.

II-07 Zip Code: Enter the zip code of the operator's business, mailing, or residential address

II-08 Years of Operation: Enter the beginning and ending years (or beginning only if operations are on going), e.g., 1932/1948, of operation at the site

II-09 Name of Owner. Enter the name of the owner for the period cited for this operator

II-10 Name: If applicable, enter the legal name of the operator's parent company.

II-11 D&B Number Enter the operator's parent company Dun and Bradstreet number if available

II-12 Street Address. Enter the operator's parent company business, mailing, or residential street address

II-13 SIC Code: If applicable, enter the operator's parent company primary SIC Code

II 14 City: Enter the city of the operator's parent company business mailing, or residential address

II 15 State: Enter the two character alpha FIPS code for the state of the operator's parent company business, mailing, or residential address

II-16 Zip Code. Enter the zip code of the operator's parent company business, mailing, or residential address.

III. **Previous Operator(s)—Previous Operators' Parent Companies**

III-01 Name Enter the legal name of the previous operator The previous operator may be a firm, government agency, association, individual, etc

III-02 D&B Number: Enter the previous operator's Dun and Bradstreet number if available If the previous operator was a federal agency, enter the GSA identification code if available

III-03 Street Address: Enter the previous operator's business, mailing, or residential street address

III-04 SIC Code If applicable, enter the previous operator's primary SIC Code.

III-05 City: Enter the city of the previous operator's business, mailing, or residential address

III-06 State. Enter the two character alpha FIPS code for the state of the previous operator's business, mailing, or residential address

III-07 Zip Code. Enter the zip code of the previous operator's business, mailing, or residential address

III-08 Years of Operation: Enter the beginning and ending years of operation for this operator at the site

III-09 Name of Owner. Enter the name of the owner for the period cited for this operator.

III-10 Name: If applicable, enter the legal name of the previous operator's parent company.

III-11 D&B Number: Enter the previous operator's parent company Dun and Bradstreet number if available.

III-12 Street Address: Enter the previous operator's parent company business, mailing, or residential street address.

III-13 SIC Code. If applicable, enter the previous operator's parent company primary SIC Code.

III-14 City Enter the city of the previous operator's parent company business, mailing, or residential address

III-15 State Enter the two character alpha FIPS code for the state of the previous operator's parent company business, mailing, or residential address

III-16 Zip Code Enter the zip code of the previous operator's parent company business, mailing, or residential address

IV. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site

Part 9 Generator/Transporter Information

*I. **Identification**: Refer to Part 1–I

II. **On-Site Generator.** A company or agency, located within the contiguous area of the site and generating waste disposed on the site, is entered here.

II-01 Name If there is an on-site generator, enter the legal name of the on-site generator. The on-site generator may be a firm or government agency.

II-02 D&B Number Where available, enter the on-site generator's D&B (Dun and Bradstreet) number If the on-site generator is a federal agency, enter the GSA identification code

II-03 Street Address Enter the business or mailing street address of the on-site generator

II-04 SIC Code If applicable, enter the on-site generator's primary SIC Code

II-05 City: Enter the city of the on-site generator's business or mailing address

II-06 State Enter the two character alpha FIPS code for the state of the on-site generator's business or mailing address.

II-07 Zip Code: Enter the five digit zip code for the on-site generator's business or mailing address

III. **Off Site Generator(s):** Those companies or agencies off site who have generated waste which has been disposed at the site are listed here

III-01 Name. Enter the legal name of the off-site generator. The off-site generator may be a firm or government agency.

III-02 D&B Number: Where available, enter the off-site generator's D&B (Dun and Bradstreet) number If the off-site generator is a federal agency, enter the GSA identification code.

III-03 Street Address: Enter the business or mailing street address of the off-site generator.

III-04 SIC Code: If applicable, enter the off-site generator's primary SIC Code.

III-05 City: Enter the city of the off-site generator's business or mailing address.

III-06 State: Enter the two character alpha FIPS code for the state of the off-site generator's business or mailing address.

III-07 Zip Code Enter the five digit zip code for the off site generator's business or mailing address

IV. **Transporter(s):** Those carriers who are known to have transported waste to the site are listed here

IV-01 Name: Enter the legal name of the transporter The transporter may be a firm, government agency, association, individual, etc.

IV-02 D&B Number: Where available, enter the transporter's D&B (Dun and Bradstreet) number If the transporter is a federal agency, enter the GSA identification code

IV-03 Street Address Enter the business, mailing, or residential street address of the transporter

IV-04 SIC Code If applicable, enter the transporter's primary SIC Code.

IV-05 City: Enter the city of the transporter's business, mailing, or residential address.

IV-06 State. Enter the two character alpha FIPS code for the state of the transporter's business, mailing, or residential address

IV-07 Zip Code: Enter the five digit zip code for the transporter's business, mailing, or residential address

V. **Sources of Information** List the sources used to obtain information for this form Sources cited may include sample analysis, reports, inspections, official records, or other documentation Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site

Part 10 Past Response Activities

*I. **Identification** Refer to Part 1–I

II. **Past Response Activities**

II-01 Past Response Activities. Check the appropriate box(es) to indicate response activities initiated prior to the passage of CERCLA, December, 1980

II-02 Date Enter the start date (or approximate date) of the activity.

II-03 Agency: Enter the name of the Agency responsible for the activity.

II-04 *Description Provide a brief narrative description of* the activity.

III. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 11 Enforcement Information

*I. **Identification.** Refer to Part 1–I.

II. ***Enforcement Information***

II-01 Past Regulatory/Enforcement Action: Check the appropriate box to indicate past regulatory or enforcement action at the federal, state, or local level related to this site

II-02 Description of Federal, State, Local Regulatory or Enforcement Action. Provide a narrative description of regulatory or enforcement action to date. Do not include any enforcement action contemplated in the process of development.

III. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

APPENDIX

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I. FEEDSTOCKS

CAS Number	Chemical Name
1 7664-41-7	Ammonia
2. 7440-36-0	Antimony
3. 1309-64-4	Antimony Trioxide
4 7440-38-2	Arsenic
5. 1327 53-3	Arsenic Trioxide
6 21109-95-5	Barium Sulfide
7 7726-95-6	Bromine
8 106-99-0	Butadiene
9. 7440-43-9	Cadmium
10 7782-50 5	Chlorine
11. 12737-27-8	Chromite
12 7440-47-3	Chromium
13 7440-48-4	Cobalt
14. 1317-38-0	Cupric Oxide
15. 7758-98-7	Cupric Sulfate
16. 1317-39-1	Cuprous Oxide
17 74-85-1	Ethylene
18 7647-01-0	Hydrochloric Acid
19 7664-39-3	Hydrogen Fluoride
20 1335-25-7	Lead Oxide
21 7439-97-6	Mercury
22 74-82-8	Methane
23 91-20-3	Napthalene
24 7440-02-0	Nickel
25 7697-37-2	Nitric Acid
26 7723-14-0	Phosphorus
27. 7778-50-9	Potassium Dichromate
28 1310-58-3	Potassium Hydroxide
29 115-07-1	Propylene
30. 10588-01-9	Sodium Dichromate
31 1310-73-2	Sodium Hydroxide
32. 7646 78-8	Stannic Chloride
33 7772-99-8	Stannous Chloride
34 7664-93-9	Sulfuric Acid
35 108-88 3	Toluene
36 1330-20-7	Xylene
37 7646-85-7	Zinc Chloride
38 7733-02-0	Zinc Sulfate

II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name
1 75-07-0	Acetaldehyde
2 64-19-7	Acetic Acid
3 108 24-7	*Acetic Anhydride*
4. 75-86-5	Acetone Cyanohydrin
5 506-96-7	Acetyl Bromide
6 75-36-5	Acetyl Chloride
7 107-02-8	Acrolein
8 107-13-1	Acrylonitrile
9 124-04-9	*Adipic Acid*
10 309-00-2	Aldrin
11 10043-01-3	Aluminum Sulfate
12. 107-18-6	Allyl Alcohol
13 107-05-1	Allyl Chloride
14 7664-41-7	Ammonia
15 631-61-8	*Ammonium Acetate*
16 1863-63-4	Ammonium Benzoate
17 1066-33-7	Ammonium Bicarbonate
18 7789-09-5	Ammonium Bichromate
19 1341-49-7	Ammonium Bifluoride
20 10192 30-0	Ammonium Bisulfite
21 1111-78-0	*Ammonium Carbamate*
22 12125-02-9	Ammonium Chloride
23 7788-98-9	Ammonium Chromate
24 3012-65-5	Ammonium Citrate, Dibasic
25 13826-83-0	Ammonium Fluoborate
26 12125-01-8	Ammonium Fluoride
27 1336-21-6	*Ammonium Hydroxide*
28 6009-70-7	Ammonium Oxalate
29 16919 19-0	Ammonium Silicofluoride
30 7773-06-0	Ammonium Sulfamate
31. 12135-76-1	Ammonium Sulfide
32 10196-04-0	Ammonium Sulfite
33. 14307-43-8	Ammonium Tartrate
34. 1762-95-4	Ammonium Thiocyanate
35. 7783-18-8	Ammonium Thiosulfate
36 628-63-7	Amyl Acetate
37 62-53-3	Aniline
38 7647-18-9	Antimony Pentachloride
39 7789-61-9	Antimony Tribromide
40 10025-91-9	Antimony Trichloride
41 7783-56-4	Antimony Trifluoride
42 1309-64-4	Antimony Trioxide
43. 1303-32-8	Arsenic Disulfide
44 1303-28-2	Arsenic Pentoxide
45 7784-34-1	*Arsenic Trichloride*
46 1327-53-3	Arsenic Trioxide
47 1303-33-9	Arsenic Trisulfide
48 542-62-1	Barium Cyanide
49 71-43-2	*Benzene*
50 65-85-0	Benzoic Acid
51 100-47-0	Benzonitrile
52 98-88-4	Benzoyl Chloride
53. 100-44-7	Benzyl Chloride
54. 7440-41-7	Beryllium
55 7787-47-5	*Beryllium Chloride*
56. 7787-49-7	Beryllium Fluoride
57. 13597-99-4	Beryllium Nitrate
58 123-86-4	Butyl Acetate
59. 84-74-2	n-Butyl Phthalate
60 109-73-9	Butylamine
61. 107-92-6	Butyric Acid
62 543-90-8	Cadmium Acetate
63 7789-42-6	Cadmium Bromide
64 10108-64-2	Cadmium Chloride
65 7778-44-1	Calcium Arsenate
66 52740-16-6	Calcium Arsenite
67 75-20-7	Calcium Carbide
68 13765-19-0	Calcium Chromate
69. 592-01-8	Calcium Cyanide
70. 26264-06-2	Calcium Dodecylbenzene Sulfonate
71. 7778-54-3	Calcium Hypochlorite
72 133-06-2	Captan
73 63-25-2	Carbaryl
74. 1563-66-2	Carbofuran
75. 75-15-0	Carbon Disulfide
76 56-23-5	Carbon Tetrachloride
77. 57-74-9	Chlordane
78 7782-50-5	*Chlorine*
79. 108-90-7	Chlorobenzene
80 67-66-3	Chloroform
81. 7790-94-5	Chlorosulfonic Acid
82. 2921-88-2	Chlorpyrifos
83. 1066-30-4	Chromic Acetate
84. 7738-94-5	Chromic Acid
85 10101-53-8	Chromic Sulfate
86 10049-05-5	Chromous Chloride
87. 544-18-3	Cobaltous Formate
88. 14017-41-5	Cobaltous Sulfamate
89. 56-72-4	Coumaphos
90. 1319-77-3	*Cresol*
91 4170-30-3	Crotonaldehyde
92 142-71-2	Cupric Acetate
93 12002-03-8	Cupric Acetoarsenite
94 7447-39-4	Cupric Chloride
95 3251-23-8	Cupric Nitrate
96. 5893-66-3	Cupric Oxalate
97. 7758-98-7	Cupric Sulfate
98. 10380-29-7	Cupric Sulfate Ammoniated
99 815-82-7	Cupric Tartrate
100 506-77-4	*Cyanogen Chloride*
101 110-82-7	Cyclohexane
102. 94-75-7	2,4 D Acid
103 94-11-1	2,4 D Esters
104. 50-29-3	DDT
105 333-41-5	Diazinon
106. 1918-00-9	*Dicamba*
107 1194-65-6	Dichlobenil
108 117-80-6	Dichlone
109 25321-22-6	Dichlorobenzene (all isomers)
110. 266-38 19-7	Dichloropropane (all isomers)
111 26952-23-8	Dichloropropene (all isomers)
112 8003-19-8	*Dichloropropene* Dichloropropane Mixture
113 75-99-0	2 2 Dichloropropionic Acid
114 62 73-7	Dichlorvos
115 60-57-1	Dieldrin
116. 109-89-7	Diethylamine
117 124-40-3	*Dimethylamine*
118. 25154-54-5	Dinitrobenzene (all isomers)
119. 51-28-5	Dinitrophenol
120. 25321-14-6	Dinitrotoluene (all isomers)
121. 85-00-7	Diquat
122 298-04-4	Disulfoton
123. 330-54-1	Diuron
124 27176-87-0	Dodecylbenzenesulfonic Acid
125 115-29-7	Endosulfan (all isomers)
126. 72-20-8	Endrin and Metabolites
127. 106-89-8	Epichlorohydrin
128. 563-12-2	Ethion
129 100-41-4	*Ethyl Benzene*
130. 107-15-3	Ethylenediamine
131. 106-93-4	Ethylene Dibromide
132. 107-06-2	Ethylene Dichloride
133 60-00-4	EDTA
134. 1185-57-5	Ferric Ammonium Citrate
135 2944-67-4	Ferric Ammonium Oxalate
136. 7705-08-0	Ferric Chloride

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CAS Number	Chemical Name
137 7783-50-8	Ferric Fluoride
138. 10421-48-4	Ferric Nitrate
139 10028-22-5	Ferric Sulfate
140. 10045-89-3	Ferrous Ammonium Sulfate
141. 7758-94-3	Ferrous Chloride
142 7720-78-7	Ferrous Sulfate
143 206-44-0	Fluoranthene
144 50-00-0	Formaldehyde
145. 64-18-6	Formic Acid
146 110-17-8	Fumaric Acid
147 98-01-1	Furfural
148 86-50-0	Guthion
149. 76-44-8	Heptachlor
150 118-74-1	Hexachlorobenzene
151 87-68-3	Hexachlorobutadiene
152. 67-72-1	Hexachloroethane
153. 70-30-4	Hexachlorophene
154 77-47-4	Hexachlorocyclopentadiene
155 7647-01-0	Hydrochloric Acid (Hydrogen Chloride)
156 7664-39-3	Hydrofluoric Acid (Hydrogen Fluoride)
157. 74-90-8	Hydrogen Cyanide
158 7783-06-4	Hydrogen Sulfide
159. 78-79-5	Isoprene
160 42504-46-1	Isopropanolamine Dodecylbenzenesulfonate
161. 115-32-2	Kelthane
162 143-50-0	Kepone
163 301-04-2	Lead Acetate
164 3687 31-8	Lead Arsenate
165 7758 95-4	Lead Chloride
166. 13814-96-5	Lead Fluoborate
167 7783-46-2	Lead Fluoride
168 10101-63-0	Lead Iodide
169. 18256-98-9	Lead Nitrate
170. 7428-48-0	Lead Stearate
171 15739-80-7	Lead Sulfate
172. 1314-87-0	Lead Sulfide
173. 592-87-0	Lead Thiocyanate
174 58-89-9	Lindane
175. 14307 35-8	Lithium Chromate
176 121-75-5	Malthion
177 110-16-7	Maleic Acid
178 108-31-6	Maleic Anhydride
179 2032-65-7	Mercaptodimethur
180 592-04 1	Mercuric Cyanide
181 10045-94-0	Mercuric Nitrate
182 7783-35-9	Mercuric Sulfate
183 592-85 8	Mercuric Thiocyanate
184 10415-75-5	Mercurous Nitrate
185. 72-43-5	Methoxychlor
186. 74-93-1	Methyl Mercaptan
187. 80-62-6	Methyl Methacrylate
188. 298-00-0	Methyl Parathion
189. 7786-34-7	Mevinphos
190. 315-18-4	Mexacarbate
191. 75-04-7	Monoethylamine
192. 74-89-5	Monomethylamine
193. 300-76-5	Naled
194 91-20-3	Naphthalene
195. 1338-24-5	Naphthenic Acid
196. 7440-02-0	Nickel
197. 15699-18-0	Nickel Ammonium Sulfate
198. 37211-05-5	Nickel Chloride
199 12054-48-7	Nickel Hydroxide
200 14216-75-2	Nickel Nitrate
201. 7786-81-4	Nickel Sulfate
202. 7697-37-2	Nitric Acid
203 98-95-3	Nitrobenzene
204 10102-44-0	Nitrogen Dioxide
205 25154-55-6	Nitrophenol (all isomers)
206 1321-12-6	Nitrotoluene
207 30525-89-4	Paraformaldehyde
208 56-38-2	Parathion
209 608-93-5	Pentachlorobenzene
210. 87-86-5	Pentachlorophenol
211 85-01-8	Phenanthrene
212 108-95-2	Phenol
213 75-44-5	Phosgene
214. 7664 38-2	Phosphoric Acid
215 7723-14-0	Phosphorus
216 10025-87-3	Phosphorus Oxychloride
217 1314-80-3	Phosphorus Pentasulfide
218. 7719-12 2	Phosphorus Trichloride
219 7784-41-0	Potassium Arsenate
220. 10124-50-2	Potassium Arsenite
221. 7778-50-9	Potassium Bichromate
222 7789-00-6	Potassium Chromate
223 7722-64-7	Potassium Permanganate
224. 2312-35-8	Propargite
225 79-09-4	Propionic Acid
226 123-62-6	Propionic Anhydride
227 1336-36-3	Polychlorinated Biphenyls
228. 151-50-8	Potassium Cyanide
229. 1310-58-3	Potassium Hydroxide
230 75-56-9	Propylene Oxide
231 121-29-9	Pyrethrins
232. 91-22-5	Quinoline
233. 108-46-3	Resorcinol
234. 7446-08-4	Selenium Oxide
235. 7761-88-8	Silver Nitrate
236 7631-89-2	Sodium Arsenate
237. 7784-46-5	Sodium Arsenite
238. 10588-01-9	Sodium Bichromate
239. 1333-83-1	Sodium Bifluoride
240 7631-90-5	Sodium Bisulfite
241. 7775-11-3	Sodium Chromate
242 143-33-9	Sodium Cyanide
243. 25155-30-0	Sodium Dodecylbenzene Sulfonate
244. 7681-49-4	Sodium Fluoride
245. 16721-80-5	Sodium Hydrosulfide
246 1310-73-2	Sodium Hydroxide
247. 7681-52-9	Sodium Hypochlorite
248. 124-41-4	Sodium Methylate
249. 7632-00-0	Sodium Nitrate
250. 7558-79-4	Sodium Phosphate, Dibasic
251. 7601-54-9	Sodium Phosphate, Tribasic
252 10102-18-8	Sodium Selenite
253 7789-06-2	Strontium Chromate
254 57-24-9	Strychnine and Salts
255 100-420-5	Styrene
256 12771-08-3	Sulfur Monochloride
257. 7664-93-9	Sulfuric Acid
258. 93-76-5	2,4,5 T Acid
259 2008-46-0	2,4,5-T Amines
260. 93-79-8	2,4,5-T Esters
261 13560-99-1	2,4,5-T Salts
262 93-72-1	2,4,5-TP Acid
263. 32534-95-5	2,4,5-TP Acid Esters
264 72-54-8	TDE
265 95-94-3	Tetrachlorobenzene
266. 127-18-4	Tetrachloroethane
267. 78-00-2	Tetraethyl Lead
268 107-49-3	Tetraethyl Pyrophosphate
269 7446-18-6	Thallium (I) Sulfate
270 108-88-3	Toluene
271. 8001-35-2	Toxaphene
272 12002-48-1	Trichlorobenzene (all isomers)
273 52-68-6	Trichlorfon
274 25323-89-1	Trichloroethane (all isomers)
275. 79-01-6	Trichloroethylene
276 25167-82-2	Trichlorophenol (all isomers)
277 27323-41-7	Triethanolamine Dodecylbenzenesulfonate
278. 121-44-8	Triethylamine
279 75-50-3	Trimethylamine
280 541-09-3	Uranyl Acetate
281. 10102-06-4	Uranyl Nitrate
282 1314-62-1	Vanadium Pentoxide
283 27774-13-6	Vanadyl Sulfate
284 108-05-4	Vinyl Acetate
285 75-35-4	Vinylidene Chloride
286 1300-71-6	Xylenol
287 557-34-6	Zinc Acetate
288 52628-25-8	Zinc Ammonium Chloride
289 1332-07-6	Zinc Borate
290. 7699-45-8	Zinc Bromide
291 3486-35-9	Zinc Carbonate
292. 7646-85-7	Zinc Chloride
293. 557-21-1	Zinc Cyanide
294. 7783-49-3	Zinc Fluoride
295 557-41-5	Zinc Formate
296. 7779-86-4	Zinc Hydrosulfite
297 7779-88-6	Zinc Nitrate
298. 127-82-2	Zinc Phenolsulfonate
299. 1314-84-7	Zinc Phosphide
300. 16871-71-9	Zinc Silicofluoride
301. 7733-02-0	Zinc Sulfate
302. 13746-89-9	Zirconium Nitrate
303. 16923-95-8	Zirconium Potassium Fluoride
304. 14644-61-2	Zirconium Sulfate
305. 10026-11-6	Zirconium Tetrachloride